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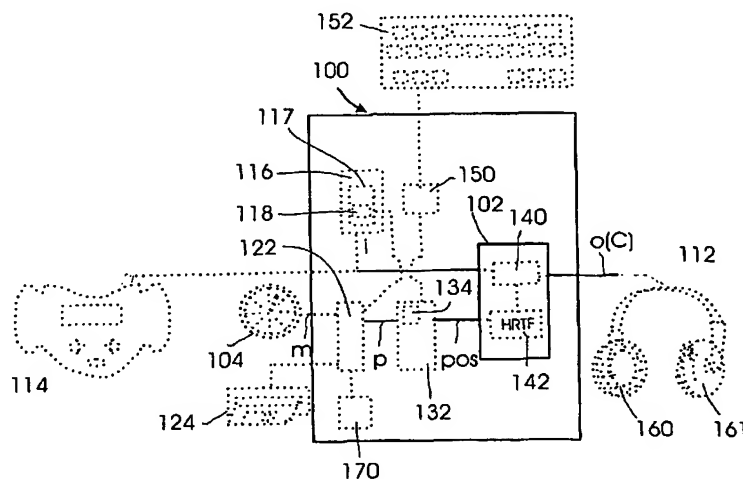
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[Continued on next page]

(54) Title: **AUDIO BASED DATA REPRESENTATION APPARATUS AND METHOD**



(57) Abstract: The data representation apparatus (100) for representing data by means of an audio signal (o), contains an audio processing unit (102) arranged to deliver the audio signal (o) with a characteristic (C) dependent on a positionless data variable (p) capable of having a first value (206) and a second value (208), whereby the data representation apparatus (100) comprises a mapping unit (132), arranged to map by means of a mapping (134) the first value (206) of the data variable (p) to a first position (216) in three-dimensional space, and the second value (208) of the data variable (p) to a second position (218) in three-dimensional space, and the audio processing unit (102) is arranged to change the characteristic (C), resulting in the audio signal appearing to originate from the first position (216) for the data variable (p) having the first value (206) respectively the second position (218) for the data variable (p) having the second value (208), to a user (200) listening to the audio signal (o). A system containing such a data representation apparatus (100) and a source of data, a source of music and a sound production is also described, as well as a method.

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